

Product datasheet for **SR308715**

PTPN20B (PTPN20) Human siRNA Oligo Duplex (Locus ID 26095)

Product data:

Product Type:	siRNA Oligo Duplexes
Purity:	HPLC purified
Quality Control:	Tested by ESI-MS
Sequences:	Available with shipment
Stability:	One year from date of shipment when stored at -20°C.
# of transfections:	Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).
Note:	Single siRNA duplex (10nmol) can be ordered.
RefSeq:	NM_001042357 , NM_001042358 , NM_001042359 , NM_001042360 , NM_001042361 , NM_001042362 , NM_001042363 , NM_001042364 , NM_001042365 , NM_001320681 , NM_001320682 , NM_001320683 , NM_001320684 , NM_001320685 , NM_001320686 , NM_001320688 , NM_001320689 , NM_001320690 , NM_001320691 , NM_015605 , NM_001352521 , NM_001352522 , NM_001352523 , NM_001352524 , NM_001352525 , NM_001352526 , NM_001352527 , NM_001352528 , NM_001352529 , NM_001352530 , NM_001352531 , NM_001352532 , NM_001352533 , NM_001352534 , NM_001352535 , NM_001352536 , NM_001352537 , NM_001352538 , NM_001352539 , NM_001352540 , NM_001352541 , NM_001352542 , NM_001352543 , NM_001352544 , NM_001352545 , NM_001352546 , NM_001352547 , NM_001352548 , NM_001352549 , NM_001352550 , NM_001352551 , NM_001352552 , NM_001352553 , NM_001352554 , NM_001352555 , NR_148022 , NR_148023 , NR_148024
UniProt ID:	Q4JDL3
Synonyms:	bA42B19.1; bA142I17.1; CT126; PTPN20A; PTPN20B
Components:	PTPN20B (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 26095) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	The product of this gene belongs to the family of classical tyrosine-specific protein tyrosine phosphatases. Many protein tyrosine phosphatases have been shown to regulate fundamental cellular processes. The encoded protein appears to be targeted to sites of actin polymerization. A pseudogene of this gene has been defined on chromosome 10. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]



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**Performance
Guaranteed:**

OriGene guarantees that at least two of the three Dicer-Substrate duplexes in the kit will provide at least 70% or more knockdown of the target mRNA when used at 10 nM concentration by quantitative RT-PCR when the TYE-563 fluorescent transfection control duplex (cat# SR30002) indicates that >90% of the cells have been transfected and the HPRT positive control (cat# SR30003) provides 90% knockdown efficiency.

For non-conforming siRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the siRNA kit. To arrange for a free replacement with newly designed duplexes, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled siRNA control (quantitative RT-PCR data required).